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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/672,664	Applicant(s) KARAOGUZ ET AL.
	Examiner ALAN LUONG	Art Unit 4126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 17 December 2007.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-39 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-39 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date 12/17/2007

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____

5) Notice of Informal Patent Application

6) Other: _____

DETAILED ACTION

Response to Amendment

This Office Action is responsive to the Amendment filed on 12/ 17/2007

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claims 1-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Pub. No. 2003/0097655 (US'655) to Novak; in view of US Pub. No. 2004/0203379 A1 (US'379) to Witkowski et al.

Regarding to claims 1, 14: Novak discloses a system providing conditional access to Digital content to multiple user's Set -Top box (FIG. 1), the system comprising:

a storage (310 of Fig. 3) for storing media (US'655, para.[0077]), and having an associated first network address (network components have an Internet Protocol (IP) address; para. [0049])

set top box (102a at user 402) circuitry (A/V controller 308) communicatively coupled to the storage (310 of Fig. 3, see US'655 para. [0076]), the set top box circuitry arranged to exchange media via a communication network (Broadcast Network 101 and broadcast Center 110 of Fig. 1) using a first communication interface (Network Interface

302 of Fig. 3; see Figs. 1, 3 and para. [0071, 0072]), the set top box-supporting wireless communication of media (Internet 112 of Fig. 1) using a second communication interface (another Network Interface 302 of another Set-top box 102b at user 402 coupled with Broadcast center 110 ; see Figs. 1, 3) (see Fig. 1 and para. [0046, 0047, 0048, 0060]);

a user interface (remote control 106, key board 108; Fig. 1, para. [0050, 0051]) to support the delivery of media, the user interface having at least one view (a GUI on TV 104 and wireless transmitter 202, receiver 203 of Fig. 2; para. [0063, 0066]) comprising a representation of a sequence of media available for delivery to another viewer (user 402 of Fig. 4 with Set-top box 102b; (para.[0076]));

at least one server (content source 420 of Fig. 4) for storing media (digital content 404; see Fig. 4 and para.[0099]) , and having an associated third network address (the user 402 from any Set-top box 102 may simple access licensed digital content 404 which is extracted from content source 420 which is connected through network connection 408; para.[0100]); and

server software (software module locates inside the request reception component 1004 in server system 1000 of Fig.10) that receives a request (409 of Fig. 4, para. [0088]), via the communication network 101, identifying one of the associated first user's Set-top-box 102 a (identification component 902 includes software module para.[0138]) and/ or third network addresses (content source 420 in the network has address as IP, MAC etc... ; para.[0049]) and authorization information (license key 411

for particular digital content 404; para.[0091 to 0092]), and responds by identifying at least one other of the one or more of the associated first, second, and/ or third network addresses to support the delivery of media to another Set-top box 102 b (see para.[0114 to 0126]).

However, Novak does not teach at least one vehicle system to be another user's terminal associated with Set-top terminal.

Witkowski teaches that at least one vehicle system (a vehicle 14) communicatively coupled to one or more RF transceiver 10a inside an electronic home devices (such as Personal Video Recorder or a modernized PC computer which has RF transceiver receives the video signals decoding video contents displaying on monitor as a Set-top box) via the second communication interface (RF wireless communication link between a transceiver 10b as a portal from the user's car to those devices in the home that are equipped with RF transceivers 10a; see US' 379, Fig. 9 and para. [0070]; at least one vehicle system having an associated second network address (VIN of vehicle is delivered to the computer from RF transceiver 10b located in vehicle; see para. [0073]). And the user interface having at least one view comprising a representation of a sequence of media (a user interface 88 of Fig. 9) available for delivery to (as a display system 22 of Fig. 1; para. [0048] lines 11-18, and para. [0076]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify a vehicle system with a wireless communication link

as taught by Witkowski in the media exchange and consumption system of Novak; in order to include another user's Set-top box (user 402 with 102a or 102b) with valid verification entity as the authorized vehicle system (with VIN number) which are including the media devices for information exchange and consumption in a wireless communication network.

Regarding to claims 2, 15 : Novak also discloses the system of claim 1 wherein the media comprises one or more of audio, a still image, video, real-time video, and data (US'655, para.[0082] and Fig. 4).

Regarding to claims 3, 16: Witkowski teaches the system of claim 1 wherein the media comprises one or more of navigational information (US'379, para.[0078, 0079]), information related to commercial broadcasters (para. [0060, 0081]), software, travel routing information ("points of interest" along with user's destination in GPS system; para. [0079, 0081]), information related to vehicle performance (para.[0052], and vehicle service information (could be associated with PC in a vehicle dealership; para. [0071]).

Regarding to claim 4: Novak teaches the system of claim 1 wherein one or more of the associated first, second, and third network addresses is an Internet protocol (IP) address, a media access control (MAC) address, and an electronic serial number (ESN). (US'655, para. [0049]).

Regarding to claims 5, 6, 17 and 18: Novak also teaches the system of claim 1 wherein the communication network comprises one or more of a cable

infrastructure, a satellite network infrastructure (US'655, para. [0052, 0053]), a digital subscriber line (DSL) infrastructure, an Internet infrastructure, an intranet infrastructure, a wired infrastructure, a wireless infrastructure (para. [0085]) and an Internet (112 of Fig. 1 and para. [0057, 0060, 0084, 0085 and 0098]).

Regarding to claims 7 and 30: Novak teaches the system of claim 1 wherein the second communication interface comprises one or both of an infrared link and/or a radio frequency link (US'655, para. [0050, 0051]; remote control 106 and keyboard 108 may use IR and RF to transmit control signals, see Fig. 1).

Regarding to claims 8, 19: Witkowski discloses the system of claim 1 wherein the at least one vehicle system comprises one or more of a vehicle navigation system (US'379, a GPS device 100 of Fig. 10, para. [0079]), a vehicle entertainment system (an audio system 20), a vehicle video system (a display system 22) (see para. [0048], Fig. 1), and a vehicle music system (a CD player in notebook computer) (12 of Fig. 1, para [0051] lines 19-26).

Regarding to claims 9, 20: Witkowski teaches the system of claim 1 wherein the at least one vehicle system (a vehicle 14) comprises an interface (user interface 88) to at least one media peripheral (20 and 22 of Fig. 9, para.[0076, 0077]).

Regarding to claims 10, 21: Novak discloses the system of claim 9 wherein the at least one media peripheral comprises one or more a digital camera, a digital camcorder (246), a television (104), a personal computer (para.[0125]), a tape player, or a MP3 player and a CD player (modern CD player may have a cassette tape

and MP3 enable feature; (para. [0005], [0035] lines 5-6), a multi-media gateway device (STB 102 as a gateway, see para. [0047] lines 4-5), a multi-media personal digital assistant (a PDA , para.[0125]), a DVD player (para. [0005] and [0035] lines 5-6), (also see Fig. 2).

Regarding to claims 11, 22: Novak discloses the system of claim 9 wherein the authorization information (para.[0089]) is supplied by the at least one media peripheral (a remote control 106 or key board 108 or GUI on TV 104) (Fig. 4).

Regarding to claim 12, 23: Novak discloses the system of claim 1 wherein the authorization information comprises a digital certificate comprising one or more of a device ID (para.[0087], [0089] and 602 of Fig. 6 and para. [0112]), a public key (an encrypted access key 414 of Fig. 4) for encryption (para.[0086] and [0096]) and media push/access restrictions and limitations ([para.0090]), but fails to teach an information related to services , information regarding payment terms, information regarding billing.

Witkowski teaches the authorization information (VIN, para. [0073]) comprises information related to services (para.[0052] and [0054]), information regarding payment terms (para. [0060]), information regarding billing (para. [0060]), and media push/access restrictions and limitations (para. [0080] to [0082]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine an authorization information including an information related to services , information regarding payment terms, information regarding billing, and media

push/access restrictions and limitations as taught by Witkowski in the media exchange and consumption system of Novak to complete the user's verification process.

Regarding to claims 13, 24: Novak discloses the system of claim 1 wherein the one or more server (the access key source 416 and content source 420 of Fig. 4) is a server; para.[0098]) supports at least one of media storage (the digital content 404), third party media services(a trusted third party TTP), the provision of third party media, and the exchange of media (Fig. 4 and para. [0090]),

Regarding to claim 25: Novak discloses a method for delivering media to another user which is associated with network 101 of FIG. 1, see US'655; claims 18, 26), the method comprising:

selecting media (404 of Fig. 4) for delivery based upon input from a user (402 with Set-top box 102 a of Figs.1, 4) (para. [0060], [0087]);

identifying a user 402 with another Set-top box 102b to receive the selected media based upon input from the user (para. [0060, 0088, 0091]);

determining if different location user 402 with Set-top box 102b to receive the selected media (para.[0115, 0117, 0118, 0120])

receiving (box 906 of Fig. 9) authorization information (para. [0037, 0089, 0091]) from the user 402b with Set-top box 102b; see para. [0123] ;

verifying the authorization information (verified by component 1006 of FIG. 10, para. [0138-0140]);

delivering the selected media to the user 402 b with Set –top box 102b if the verification is successful (para.[0142] and user 402 b with Set–top box 102b is available to receive the selected media (para.[0143])); and

refraining from delivering the selected media to the user 402 b with Set–top box 102b (para. [0143]) if the verification is not successful (para. [0117]) the user 402 b with Set–top box102b is not available to receive the selected media (denied message 702 of Fig. 7) the user 402 b must pay a concurrent-use fee if he or she may be accessed; para. [0118]).

However, Novak fails to disclose the vehicle system as an user's entity in his system. Witkowski teaches the vehicle system which has identification information (VIN) and RF transceiver that transmits and receives the user's information through communication network interface through vehicle's display system (Fig. 9 and para. [0073, 0076, 0077, 0078, 0081, 0082]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine an vehicle communication system as taught by Witkinski as one of plurality user-entities in media distribution and exchange network of Novak; in order to allow users using authorized access media anywhere from home, car, airplane etc...through communication network.

Regarding to claim 26: Novak also discloses the system of claim 25 wherein the media comprises one or more of audio, a still image, video, real-time video, and data (US'655, para.[0082] and Fig. 4).

Regarding to claim 27: Novak teaches the method of claim 25 wherein the selecting and identifying are performed via a user interface (A/V controller 308) having at least one view comprising a graphical representation of media (GUI) available for delivery to the at least one media peripheral (TV 104)(Fig. 3 and para.[0076]).

Regarding to claim 28: Novak discloses the system of claim 25 wherein the authorization information comprises a digital certificate comprising one or more of a device ID (para.[0087], [0089] and 602 of Fig. 6 and para. [0112]), a public key (an encrypted access key 414 of Fig. 4) for encryption (para.[0086] and [0096]) and media push/access restrictions and limitations ([para.0090]), but fails to teach an information related to services , information regarding payment terms, information regarding billing.

Witkowski teaches the authorization information (VIN, para. [0073]) comprises information related to services (para.[0052] and [0054]), information regarding payment terms (para. [0060]), information regarding billing (para. [0060]), and media push/access restrictions and limitations (para. [0080] to [0082]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine an authorization information including an information related to services , information regarding payment terms, information regarding billing, and media push/access restrictions and limitations as taught by Witkowski in the media exchange and consumption system of Novak to complete the user's verification process.

Regarding to claim 29: Witkowski teaches the method of claim 25 wherein the receiving and delivering are performed using a wireless communication link (para.[0012], [0014], [0019], [0041],[0042],[0059], [0064], [0082], [0083], [0084]).

Regarding to claim 31. (New) Novak teaches a system providing support for the delivery of media to multiple users with multiple Set-top box 102 in network 101, the system comprising:

set top box circuitry (A/V controller 308 of set-top box 102 at user 402) arranged to exchange media via a communication network (Broadcast Network 101 and broadcast Center 110 of Fig. 1 para. [0060] and Fig. 4, para. [0082 to 0084]), wherein the set top box circuitry is configured to be communicatively coupled to at least one user 402 at different location (Fig. 7, para. [0115 to 0117]);; and

software that receives a request and authorization information (the request 409 may be formatted according to the eXtensible Markup Language (XML) standard; para.[0086] to [0088] and license key 411 as authorization information), via the communication interface 408, and responds by coordinating the delivery of media to the user 402 (Fig. 4 , para.[0091]).

However, Novak fails to disclose the vehicle system as an user's entity in his system. Witkowski teaches the vehicle system which has identification information (VIN) and RF transceiver that transmits and receives the user's information through communication network interface through vehicle's display system (Fig. 9 and para. [0073, 0076, 0077, 0078, 0081, 0082]). Therefore, it would have been obvious to one of

ordinary skill in the art at the time of the invention was made to combine an vehicle communication system as taught by Witkowsky as one of plurality user-entities in media distribution and exchange network of Novak; in order to allow users using authorized access media anywhere from home, car, airplane etc...through communication network.

Regarding to claim 32. (New) In the system of claim 31 above, Novak also discloses the media comprises one or more of audio, a still image, video, real-time video, and data (US'655, para.[0082] and Fig. 4).

Regarding to claim 33. (New) The system of claim 31 above, Witkowsky teaches the media comprises one or more of navigational information (US'379, para.[0078, 0079]), information related to commercial broadcasters (para. [0060, 0081]), software, travel routing information ("points of interest" along with user's destination in GPS system; para. [0079, 0081]), information related to vehicle performance (para.[0052], and vehicle service information (could be associated with PC in a vehicle dealership; para. [0071]).

Regarding to claim 34. (New) The system of claim 31 Novak also teaches the communication network comprises one or more of a cable infrastructure, a satellite network infrastructure (US'655, para. [0052, 0053]), a digital subscriber line (DSL) infrastructure, an Internet infrastructure, an intranet infrastructure, a wired infrastructure, a wireless infrastructure (para. [0085]) and an Internet (112 of Fig. 1 and para. [0057, 0060, 0084, 0085 and 0098]).

Regarding to claim 35. (New) Witkowsky discloses the system above at least one vehicle system comprises one or more of a vehicle navigation system (US'379, a GPS

device 100 of Fig. 10, para. [0079]), a vehicle entertainment system (an audio system 20), a vehicle video system (a display system 22) (see para. [0048], Fig. 1), and a vehicle music system (a CD player in notebook computer) (12 of Fig. 1, para [0051] lines 19-26).

Regarding to claim 36. (New) Witkowski teaches at least one vehicle system (a vehicle 14) comprises an interface (user interface 88) to at least one media peripheral (20 and 22 of Fig. 9, para.[0076, 0077]).

Regarding to claim 37. (New) Novak and Witkowski teach the system of claim 31 above ; Novak also teaches the system of claim 36 wherein the at least one media peripheral comprises one or more a digital camera, a digital camcorder (246), a television (104), a personal computer (para.[0125]), a tape player, or a MP3 player and a CD player (modern CD player may have a cassette tape and MP3 enable feature; (para. [0005], [0035] lines 5-6), a multi-media gateway device (STB 102 as a gateway, see para. [0047] lines 4-5), a multi-media personal digital assistant (a PDA , para.[0125]), a DVD player (para. [0005] and [0035] lines 5-6), (also see Fig. 2).

Regarding to claim 38. (New) Novak further teaches the authorization information (para.[0089]) is supplied by the at least one media peripheral (a remote control 106 or key board 108 or GUI on TV 104) (Fig. 4).

Regarding to claim 39. (New) Novak also teaches the authorization information comprises a digital certificate comprising one or more of a device ID (para.[0087], [0089] and 602 of Fig. 6 and para. [0112]), a public key (an encrypted access key 414

of Fig. 4) for encryption (para.[0086] and [0096]) and media push/access restrictions and limitations ([para.0090]), but fails to teach an information related to services , information regarding payment terms, information regarding billing.

Witkowski teaches the authorization information (VIN, para. [0073]) comprises information related to services (para.[0052] and [0054]), information regarding payment terms (para. [0060]), information regarding billing (para. [0060]), and media push/access restrictions and limitations (para. [0080] to [0082]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine an authorization information including an information related to services , information regarding payment terms, information regarding billing, and media push/access restrictions and limitations as taught by Witkowski in the media exchange and consumption system of Novak to complete the user's verification process.

Response to Arguments

Applicant's arguments filed December 17, 2007, have been fully considered but they are not persuasive.

In that remarks, applicant's argues in substance

I. Applicant argues Neither Novak nor Witkowski alone or in combination with one another, describes, teaches or suggests this limitation. Thus, for at least these reasons, the Applicants respectfully submit that the proposed combination does not render claims 1-13 unpatentable.

Examiner disagrees in response:

Novak teaches the software module locates inside the request reception component 1004 in server system 1000 of Fig.10) that receives a request (409 of Fig. 4,

para. [0088]), via the communication network 101 as FIG. 1 with multiple Set-top terminals 102 at user's locations as home, office, etc...that associated with IP address for each terminal, identifying one of the associated first user's Set-top-box 102 a (identification component 902 includes software module para.[0138]) and/ or third network addresses (content source 420 in the network has address as IP, MAC etc... ; see para.[0049]) and authorization information as license key 411 for particular encryption/ decryption digital content 404; in para.[0091 to 0092]), and responds by identifying at least one other of the one or more of the associated first, second, and/ or third network addresses to support the delivery of media to another user 402 with Set-top box 102 b (see para.[0114 to 0126]).

Witkowski teaches the vehicle communication system which has most features as RF transceiver, video/ audio entertainment systems and display system; all these features are used for distributing or receiving informations as traveling, banking, music, transaction etc .from or to any home electronic devices such as PC, PDA etc...in wireless Bluetooth communication.

In claims 1-13 limitations; there is no requirement of communication mode to be used, so wireless Bluetooth communication is not a problem for invention.

Above reasons, it would have been obvious to combine Witkowski's the vehicle communication system into Novak's system to complete the media distribution and exchange network.

Updated rejection is provided.

II. Applicant argues: there is no mention of a "set top box" within Witkowski's invention.

Examiner disagrees in response:

Witkowski teaches the second RF transceiver 10b is integrated with a home PC 92. The home PC 92 is linked to the Internet (¶0076); a modernized PC base with Tuner which has RF transceiver receives the video signals decoding video contents displaying on monitor as a Set-top box circuitry. On the Internet, any device need IP address to access together.

However, Novak teaches Set-Top Box may be embodied more generally as a personal computer (PC), an advanced television with STB functionality (¶0047).

Therefore, it would have been obvious to one with ordinary skill in the art, to understand Set-top box as PC base.

III. Applicant argues: Neither Novak nor Witkowski alone or in combination with one another, describes, teaches or suggests this limitation. Thus, for at least these reasons, the Applicants respectfully submit that the proposed combination does not render claim 25 unpatentable.

Examiner disagrees in response:

Witkowski teaches the Vehicle Identification Number ("VIN") is delivered to the computer from the RF transceiver 10b located in the vehicle. The VIN is then used by the computer to access a database which is remote from the vehicle to obtain warranty and part information (¶0073).

The user interface circuit 88 is in turn linked for communication via a suitable bus 90 with a display system 22 and/or an audio system 20 of the vehicle 14. The second RF transceiver 10b is integrated with a home PC 92. The home PC 92 is linked to the Internet. The user uses the home PC 92 to retrieve information from the Internet (e.g., audio books, news, weather, music, etc.) (¶0076-¶0077)

the RF transceiver 10a automatically establishes a high speed, wireless communications link with the RF transceiver 10b of the electronic device 12. The RF transceiver 10a transmits appropriate identifying information to the RF transceiver 10b via the automatically established wireless communications link. This information is then linked to the Internet-based information service.(¶0082)

Those paragraphs above show the vehicle system of Witkowski have identification information to access a server or storage to the Internet-based information service on remotely graphical user interface as the vehicle's display system 22 or audio system 20 of FIG. 11.

However, the user's identity is the established with the verification entity. *Id.* at [0024]-[0025]. Thus, Novak discloses that a user's request is sent to a verification entity. Novak also teaches in (¶0142, ¶0143) delivering the selected media to the other user if the verification is successful and the other user is available to receive the selected media.

(If vehicle VIN of user vehicle is verified successfully, the media exchange will be accessed between Witkowski' s vehicle system and Set-top box at different location user as taught by Novak.)

It would have been obvious to one with ordinary skill in the art to understand the combination of 2 references above is analogous.

Updated rejection is provided.

Conclusion

3. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALAN LUONG whose telephone number is (571)270-5091. The examiner can normally be reached on Mon.-Thurs., 8:00am-5pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dennis Chow can be reached on (571) 272-7767. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. L./
Examiner, Art Unit 4126

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/Dennis-Doon Chow/

Supervisory Patent Examiner, Art Unit 4126